

Art Unit: ***

CLMPTO

08/10/04

rg

Claims 1 is cancelled

2. A zoom lens comprising, in order from an object side:
 - a first lens unit with positive power;
 - a second lens unit with positive power;
 - a third lens unit with negative power;
 - 5 a fourth lens unit with positive power; and
 - a fifth lens unit with positive power,
wherein when a magnification of the zoom lens is varied, extending from a wide-angle position to a telephoto position, the first lens unit is moved and spacings between individual lens units are changed.

3. A zoom lens according to claim 1, wherein the zoom lens comprises, in order from the object side, a first lens unit with positive power; a second lens unit with positive power; a third lens unit with negative power; a fourth lens unit with positive power; and a fifth lens unit with positive power, and when the magnification of the
5 zoom lens is varied, extending from a wide-angle position to a telephoto position,

spacings between individual lens units are changed.

4. A zoom lens according to claim 1 or 2, wherein the second lens unit is moved toward the object side to thereby perform focusing.

5. A zoom lens according to claim 2 or 3, satisfying the following conditions:

$$0.1 < f_4 / f_t < 0.4$$

$$1.5 < f_5 / f_w < 2.5$$

where f_4 is a focal length of the fourth lens unit, f_5 is a focal length of the fifth lens unit, f_w is a focal length of an entire system at the wide-angle position, and f_t is a focal length of the entire system at the telephoto position.

6. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$3 < f_1 / f_w < 5$$

where f_1 is a focal length of the first lens unit and f_w is a focal length of an entire system at the wide-angle position.

7. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$2 < f_2 / f_w < 3.5$$

where f_2 is a focal length of the second lens unit and f_w is a focal length of an entire system at the wide-angle position.

8. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$-0.16 < f_3 / f_t < -0.08$$

where f_3 is a focal length of the third lens unit and f_t is a focal length of an entire system at the telephoto position.

9. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$2.0 < F < 4.0$$

where F is an F-number.

10. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$-0.35 \leq MG \leq -0.15$$

where MG is a maximum magnification for photography.

11. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$0.08 < \Delta d / f_t < 0.12$$

where Δd is an amount of movement in focusing extending from infinity to a nearest object point and f_t is a focal length of an entire system at the telephoto position.

12. A zoom lens according to claim 1 or 2, satisfying the following conditions:

$$10 < IH < 13$$

$$2.8 < f_b / IH < 3.8$$

where IH is a radius of an image circle and f_b is a distance from a last lens surface to an image plane at the wide-angle position.

13. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$0 < |EW| < 15$$

where EW is an angle ($^{\circ}$) made by the most off-axis chief ray (a diagonal chief ray) on a diagonal line with an optical axis.

14. A zoom lens according to claim 1 or 2, wherein a camera body and a lens-mountable and removable mount are provided.

claims 15-16 is cancelled